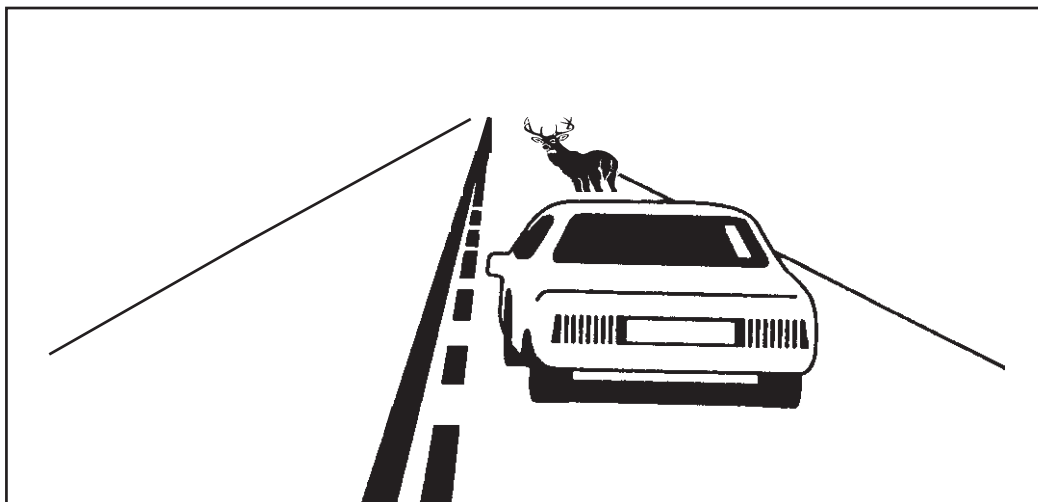


MISSOURI STATE HIGHWAY PATROL



ANALYSIS OF DEER INVOLVEMENT IN MISSOURI TRAFFIC CRASHES 2009

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2009 MISSOURI DEER CRASHES

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INTRODUCTION

In recent years, Missouri traffic safety authorities have expressed concern over (1) animal-vehicle crashes involving deer and (2) crashes caused by drivers avoiding deer on roadways. This is one in a series of reports designed to identify the seriousness and characteristics of deer-involved traffic crashes on Missouri's public roadways.

1. METHODOLOGY

Perviously, data from the National Highway Traffic Safety Administration (NHTSA), Fatality Analysis Reporting System (FARS) were used to analyze deer-involved fatal crashes in the State. Due to the delay in obtaining FARS data, analysis of those fatal crashes where drivers made evasive maneuvers to avoid deer and no deer were struck but their evasive maneuvers contributed to the cause of the traffic crash will no longer be available in this report. That data may still be obtained from NHTSA.

Data from the Missouri Statewide Traffic Accident Records System (STARS) will be used for this report. Using STARS data, all 2009 Missouri traffic crashes where a deer was struck as part of the first harmful event were identified and analyzed (not just fatal crashes). However, this information source was limited in that it did not contain data identifying traffic crashes involving a deer avoidance maneuver where the animal was not struck. As a result, analysis could not be conducted on the deer avoidance maneuver problem associated with all Missouri traffic crashes.

2. DISCUSSION OF FINDINGS

The following is a discussion of findings obtained from an analysis of Missouri's 2009 traffic crashes related to deer involvement:

- In 2009, Missouri had 3,676 traffic crashes where deer-vehicle strikes occurred in the first harmful event. One deer strike occurred every 2.4 hours in the State.
- In 2009, 5 people were killed and 333 injured in these types of crashes. One person was killed or injured every 1.1 days.
- Of all deer strike traffic crashes, 28.0% occurred in an urban area and 72.0% occurred in a rural area of the State. Even though rural areas seem to be overrepresented, the seven highest ranking Missouri counties experiencing this problem are associated with major metropolitan areas. These include: St. Louis, Jackson, Platte, Jefferson, Clay, Franklin, and Boone. Deer strike traffic crashes in these counties account for 35.8% of the total.
- Four out of five, or 81.7%, of the 2009 deer strike crashes occurred on State-maintained roadways. The greatest proportion occurred on State Numbered Routes (27.5%), followed by U.S. Highways (24.6%) and Interstates (13.5%). An additional 11.4% occurred on State Lettered Routes, 10.9% on City Streets, and 6.2% on County Roads.
- Calculations show slightly less than half, or 49.1%, of the 2009 deer strike crashes occurred from October through December, with the largest proportion in November (26.5%). When discussing this with the Missouri Department of Conservation, they suggested the major cause of increased roadway crossings by deer during this period is mating season. The peak occurs about mid-November. In addition, deer hunting season also may cause an increase in roadway crossings. The slight increase in deer-involved crashes noted in the spring months may be attributed to yearling fawns dispersing from their mothers just prior to the arrival of newborns.
- The majority of deer strike crashes occurred from 5:00 p.m. through 6:59 a.m. This time period accounted for 86.3% of the total.
- Of the drivers striking deer, 60.1% were male and 39.9% were female. The average age of the driver was 40.7 years.
- Of the drivers striking deer, 86.1% had a Missouri driver's license, 13.5% had an out-of-state driver's license, and 0.4% were unlicensed at the time of the crash.

3. FINDINGS

The following is a series of tables and figures which characterize Missouri's 2009 deer strike traffic crash problem.

2009 MISSOURI TRAFFIC CRASHES

DEER STRIKE INVOLVEMENT

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	TOTAL NUMBER ¹			DRIVERS/PASSENGERS OF VEHICLES STRIKING DEER ²	
									KILLED	INJURED		KILLED	INJURED
DEER INVOLVED	5	0.6	289	0.8	3,382	2.9	3,676	2.4	5	333		4	322
OTHER INVOLVEMENT	781	99.4	36,710	99.2	111,828	97.1	149,319	97.6	873	53,496		-	-
TOTAL	786	100.0	36,999	100.0	115,210	100.0	152,995	100.0	878	53,829		4	322

¹This statistic indicates the total number of persons killed and injured in a crash where a deer was struck during the first harmful event in a crash.

²This statistic indicates the number of drivers and passengers of vehicles striking deer during the first harmful event in a crash who were killed and injured.

TABLE 1

MISSOURI TRAFFIC SAFETY DEER INVOLVEMENT
PROBLEM ANALYSIS CLOCK

2009

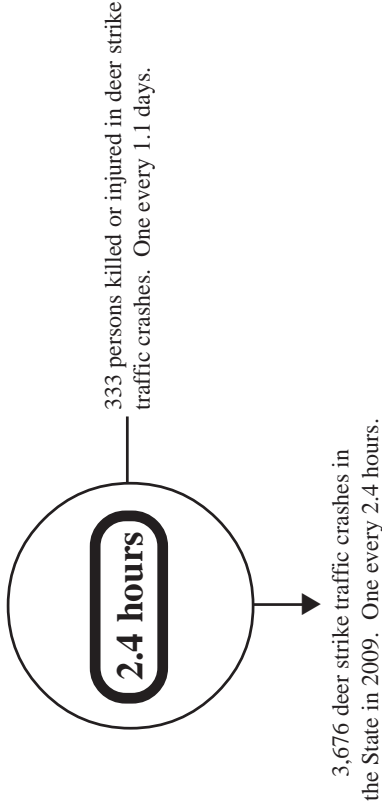


FIGURE 1

2009 MISSOURI DEER CRASHES

AREA CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
URBAN	1	20.0	65	22.5	965	28.5	1,031	28.0
RURAL	4	80.0	224	77.5	2,417	71.5	2,645	72.0
TOTAL	5	100.0	289	100.0	3,382	100.0	3,676	100.0

TABLE 2

2009 MISSOURI DEER CRASHES

ROAD CURVATURE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
STRAIGHT	3	60.0	260	90.3	2,573	87.6	2,836	87.8
CURVE	2	40.0	28	9.7	363	12.4	393	12.2
UNKNOWN	0	-	1	-	446	-	447	-
TOTAL	5	100.0	289	100.0	3,382	100.0	3,676	100.0

TABLE 3

2009 MISSOURI DEER CRASHES

ROAD INCLINE BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
LEVEL	3	60.0	166	57.8	1,844	63.4	2,013	62.9
HILL	2	40.0	118	41.1	992	34.1	1,112	34.7
CREST	0	0.0	3	1.1	73	2.5	76	2.4
UNKNOWN	0	-	2	-	473	-	475	-
TOTAL	5	100.0	289	100.0	3,382	100.0	3,676	100.0

TABLE 4

2009 MISSOURI DEER CRASHES

ROAD CONDITIONS BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
DRY	0	0.0	39	13.6	506	17.2	545	16.9
WET	5	100.0	245	85.4	2,387	81.1	2,637	81.5
SNOW	0	0.0	0	0.0	2	0.1	2	0.1
ICE	0	0.0	3	1.0	23	0.8	26	0.8
MUD	0	0.0	0	0.0	24	0.8	24	0.7
UNKNOWN	0	-	2	-	440	-	442	-
TOTAL	5	100.0	289	100.0	3,382	100.0	3,676	100.0

TABLE 5

2009 MISSOURI DEER CRASHES

HIGHWAY CLASSIFICATION BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	38	13.1	459	13.6	497	13.5
U.S. HIGHWAY	1	20.0	80	27.7	824	24.4	905	24.6
STATE NUMBERED	2	40.0	87	30.1	923	27.3	1,012	27.5
SINGLE STATE LETTERED	0	0.0	31	10.7	389	11.5	420	11.4
DOUBLE STATE LETTERED	2	40.0	12	4.2	159	4.7	173	4.7
OUTER ROAD	0	0.0	0	0.0	10	0.3	10	0.3
COUNTY ROAD	0	0.0	17	5.9	212	6.2	229	6.2
CITY STREET	0	0.0	22	7.6	379	11.2	401	10.9
INTERSTATE LOOP	0	0.0	0	0.0	10	0.3	10	0.3
OTHER ¹	0	0.0	2	0.7	17	0.5	19	0.5
TOTAL	5	100.0	289	100.0	3,382	100.0	3,676	100.0

¹ "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 6

2009 MISSOURI DEER CRASHES

HIGHWAY CLASSIFICATION BY AREA CLASSIFICATION AND CRASH SEVERITY

	URBAN								RURAL							
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
INTERSTATE	0	0.0	16	24.6	144	14.9	160	15.5	0	0.0	22	9.8	315	13.0	337	12.7
U.S. HIGHWAY	1	100.0	15	23.1	173	17.9	189	18.3	0	0.0	65	29.0	651	26.9	716	27.1
STATE NUMBERED	0	0.0	12	18.5	230	23.8	242	23.5	2	50.0	75	33.5	693	28.7	770	29.1
SINGLE STATE LETTERED	0	0.0	0	0.0	23	2.4	23	2.2	0	0.0	31	13.8	366	15.1	397	15.0
DOUBLE STATE LETTERED	0	0.0	0	0.0	30	3.1	30	2.9	2	50.0	12	5.4	129	5.3	143	5.4
OUTER ROAD	0	0.0	0	0.0	2	0.2	2	0.2	0	0.0	0	0.0	8	0.3	8	0.3
COUNTY ROAD	0	0.0	1	1.5	30	3.1	31	3.0	0	0.0	16	7.1	182	7.5	198	7.5
CITY STREET	0	0.0	19	29.2	328	34.0	347	33.7	0	0.0	3	1.3	51	2.1	54	2.0
INTERSTATE LOOP	0	0.0	0	0.0	2	0.2	2	0.2	0	0.0	0	0.0	8	0.3	8	0.3
OTHER ¹	0	0.0	2	3.1	3	0.3	5	0.5	0	0.0	0	0.0	14	0.6	14	0.5
TOTAL	1	100.0	65	100.0	965	100.0	1,031	100.0	4	100.0	224	100.0	2,417	100.0	2,645	100.0

¹ "Other" includes types of roads that are maintained by the State as well as by local jurisdictions.

TABLE 7

2009 MISSOURI DEER CRASHES

MONTH OF YEAR

MONTH	FREQUENCY	PERCENT
JANUARY	230	6.2
FEBRUARY	208	5.7
MARCH	195	5.3
APRIL	210	5.7
MAY	324	8.8
JUNE	231	6.2
JULY	142	3.9
AUGUST	134	3.7
SEPTEMBER	198	5.4
OCTOBER	533	14.5
NOVEMBER	973	26.5
DECEMBER	298	8.1
TOTAL	3,676	100.0

TABLE 8

2009 MISSOURI DEER CRASHES

DAY OF WEEK

DAY	FREQUENCY	PERCENT
SUNDAY	507	13.8
MONDAY	531	14.5
TUESDAY	468	12.7
WEDNESDAY	495	13.5
THURSDAY	522	14.2
FRIDAY	523	14.2
SATURDAY	630	17.1
TOTAL	3,676	100.0

TABLE 9

2009 MISSOURI DEER CRASHES

HOUR OF DAY

HOURL	FREQUENCY	PERCENT
12:01A - 12:59A	140	3.8
01:00A - 01:59A	146	4.0
02:00A - 02:59A	126	3.4
03:00A - 03:59A	106	2.9
04:00A - 04:59A	88	2.4
05:00A - 05:59A	202	5.5
06:00A - 06:59A	272	7.4
07:00A - 07:59A	137	3.7
08:00A - 08:59A	64	1.7
09:00A - 09:59A	41	1.1
10:00A - 10:59A	37	1.0
11:00A - 11:59A	39	1.1
NOON - 12:59P	36	0.9
01:00P - 01:59P	39	1.1
02:00P - 02:59P	28	0.8
03:00P - 03:59P	31	0.8
04:00P - 04:59P	55	1.5
05:00P - 05:59P	267	7.3
06:00P - 06:59P	367	10.0
07:00P - 07:59P	293	8.0
08:00P - 08:59P	385	10.5
09:00P - 09:59P	332	9.0
10:00P - 10:59P	245	6.7
11:00P - MIDNIGHT	198	5.4
TOTAL	3,676	100.0

TABLE 10

Unknown Data Not Included

2009 MISSOURI DEER CRASHES¹

TYPE OF VEHICLE STRIKING DEER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AUTOMOBILE	1	20.0	124	42.9	1,776	52.6	1,901	51.8
SPORT UTILITY VEHICLE	0	0.0	33	11.4	595	17.6	628	17.1
LIMOUSINE	0	0.0	0	0.0	1	0.0	1	0.0
VAN	0	0.0	26	9.0	311	9.2	337	9.2
BUS	0	0.0	0	0.0	9	0.3	9	0.3
MOTORCYCLE	4	80.0	73	25.2	9	0.3	86	2.3
ALL TERRAIN VEHICLE	0	0.0	1	0.4	0	0.0	1	0.0
MOPED	0	0.0	1	0.4	0	0.0	1	0.0
MOTORHOME/CAMPER	0	0.0	0	0.0	1	0.0	1	0.0
OTHER TRANSPORT DEVICE	0	0.0	0	0.0	3	0.1	3	0.1
PICK-UP TRUCK	0	0.0	30	10.3	566	16.8	596	16.2
OTHER TRUCKS	0	0.0	1	0.4	105	3.1	106	2.9
UNKNOWN	0	-	0	-	1	-	1	-
TOTAL	5	100.0	289	100.0	3,377	100.0	3,671	100.0

¹This table includes only those vehicles striking a deer during the first harmful event in a crash.

TABLE 11

VEHICLES STRIKING DEER IN 2009 MISSOURI CRASHES¹

DRIVER INVOLVEMENT BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
KNOWN DRIVER INVOLVED	5	100.0	289	100.0	3,370	99.8	3,664	99.8
UNKNOWN DRIVER INVOLVED	0	0.0	0	0.0	7	0.2	7	0.2
TOTAL	5	100.0	289	100.0	3,377	100.0	3,671	100.0

¹This table includes only vehicles striking deer during the first harmful event in a crash.

TABLE 12

DRIVERS OF VEHICLES STRIKING DEER IN 2009 MISSOURI CRASHES¹

SEX OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MALE	4	80.0	183	63.3	1,825	59.7	2,012	60.1
FEMALE	1	20.0	106	36.7	1,230	40.3	1,337	39.9
UNKNOWN	0	-	0	-	322	-	322	-
TOTAL	5	100.0	289	100.0	3,377	100.0	3,671	100.0

¹The table includes only drivers of vehicles striking deer during the first harmful event in a crash.

TABLE 13

DRIVERS OF VEHICLES STRIKING DEER IN 2009 MISSOURI CRASHES¹

AGE OF DRIVER BY CRASH SEVERITY

	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
AVERAGE AGE OF DRIVER	52.0	-	40.9	-	40.7	-	40.7	-
15 - 20 YEARS	0	0.0	28	9.7	273	8.1	301	8.2
21 - 25 YEARS	0	0.0	31	10.8	379	11.3	410	11.2
26 - 30 YEARS	0	0.0	26	9.0	368	10.9	394	10.8
31 - 35 YEARS	0	0.0	27	9.4	361	10.7	388	10.6
36 - 40 YEARS	0	0.0	24	8.3	356	10.6	380	10.4
41 - 45 YEARS	1	20.0	39	13.5	333	9.9	373	10.2
46 - 50 YEARS	0	0.0	41	14.2	341	10.1	382	10.4
51 - 55 YEARS	3	60.0	25	8.7	343	10.2	371	10.1
56 - 60 YEARS	1	20.0	12	4.2	270	8.0	283	7.7
61 - 65 YEARS	0	0.0	16	5.6	172	5.1	188	5.1
66 YEARS AND OVER	0	0.0	19	6.6	173	5.1	192	5.2
UNKNOWN	0	-	1	-	8	-	9	-
TOTAL	5	100.0	289	100.0	3,377	100.0	3,671	100.0

¹This table includes only drivers of vehicles striking deer during the first harmful event in a crash.

TABLE 14

DRIVERS OF VEHICLES STRIKING DEER IN 2009 MISSOURI CRASHES¹

DRIVER'S LICENSE STATE AND TYPE BY CRASH SEVERITY

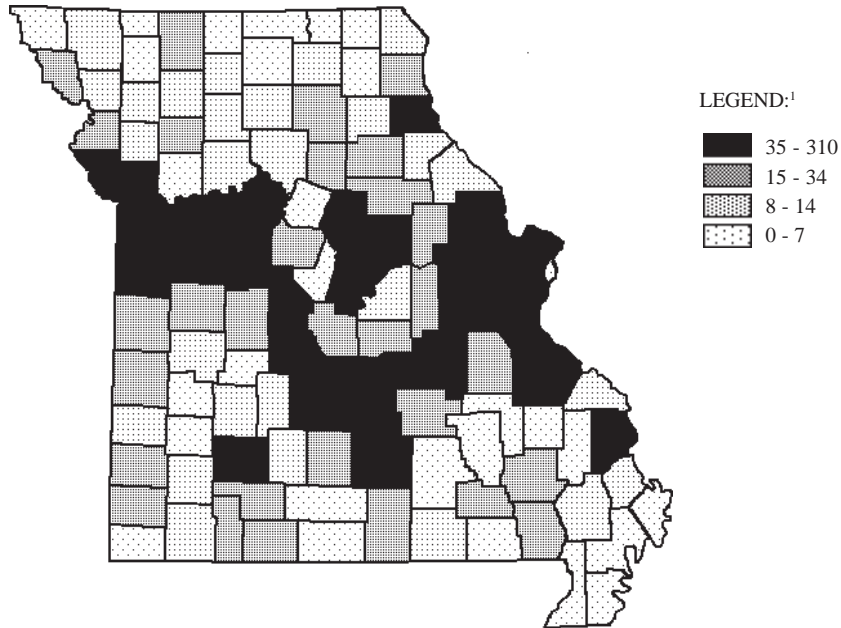
	FATAL	%	PERSONAL INJURY	%	PROPERTY DAMAGE	%	TOTAL	%
MISSOURI								
LEARNER'S PERMIT	0	0.0	1	0.4	5	0.2	6	0.2
OPERATOR'S LICENSE	4	80.0	220	76.9	2,300	78.7	2,524	78.6
COMMERCIAL DRIVER'S LICENSE	1	20.0	26	9.1	207	7.1	234	7.3
SUB-TOTAL	5	100.0	247	86.4	2,512	86.0	2,764	86.1
OUT STATE								
LEARNER'S PERMIT	0	0.0	0	0.0	0	0.0	0	0.0
OPERATOR'S LICENSE	0	0.0	32	11.2	321	11.0	353	11.0
COMMERCIAL DRIVER'S LICENSE	0	0.0	2	0.7	79	2.7	81	2.5
SUB-TOTAL	0	0.0	34	11.9	400	13.7	434	13.5
UNLICENSED	0	0.0	5	1.7	9	0.3	14	0.4
UNKNOWN	0	-	3	-	456	-	459	-
TOTAL	5	100.0	289	100.0	3,377	100.0	3,671	100.0

¹This table includes only drivers of vehicles striking deer during the first harmful event in a crash.

TABLE 15

2009 MISSOURI DEER CRASHES

COUNTY QUARTILE ANALYSIS



¹ LEGEND CATEGORIES ARE BASED ON QUARTILES OF COUNTIES.

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
1.0	ST. LOUIS	310	8.4	21.5	PETTIS	46	1.3
2.0	JACKSON	243	6.6	24.0	COLE	43	1.2
3.0	PLATTE	193	5.3	24.0	MARION	43	1.2
4.0	JEFFERSON	179	4.9	24.0	MORGAN	43	1.2
5.0	CLAY	173	4.7	26.5	CRAWFORD	40	1.1
6.0	FRANKLIN	114	3.1	26.5	TEXAS	40	1.1
7.0	BOONE	104	2.8	28.0	LAFAYETTE	39	1.1
8.0	ST. CHARLES	93	2.5	29.0	SALINE	38	1.0
9.0	JOHNSON	88	2.4				First Quartile
10.0	LINCOLN	83	2.3				Second Quartile
11.0	CASS	74	2.0	30.0	BUCHANAN	34	0.9
12.0	PULASKI	73	2.0	32.5	BENTON	33	0.9
13.0	PHELPS	68	1.8	32.5	HOWELL	33	0.9
14.0	CAPE GIRARDEAU	63	1.7	32.5	JASPER	33	0.9
15.0	STE. GENEVIEVE	59	1.6	32.5	MILLER	33	0.9
16.0	CALLAWAY	58	1.6	36.0	LEWIS	32	0.9
17.0	LACLEDE	55	1.5	36.0	RANDOLPH	32	0.9
18.0	ST. FRANCOIS	50	1.4	36.0	WASHINGTON	32	0.9
19.0	CAMDEN	49	1.3	38.0	DENT	28	0.8
20.0	WARREN	47	1.3	39.0	WAYNE	27	0.7
21.5	GREENE	46	1.3				

RANK	COUNTY	FREQUENCY	PERCENT	RANK	COUNTY	FREQUENCY	PERCENT
40.0	GASCONADE	26	0.7	78.5	DE KALB	9	0.2
41.0	BATES	25	0.7	78.5	ST. CLAIR	9	0.2
42.5	HENRY	23	0.6	78.5	WEBSTER	9	0.2
42.5	HOLT	23	0.6	83.5	BARRY	8	0.2
44.5	AUDRAIN	22	0.6	83.5	CARROLL	8	0.2
44.5	CARTER	22	0.6	83.5	CLARK	8	0.2
47.0	CHRISTIAN	21	0.6	83.5	DALLAS	8	0.2
47.0	NEWTON	21	0.6	83.5	POLK	8	0.2
47.0	TANEY	21	0.6	83.5	SHELBY	8	0.2
49.0	WRIGHT	20	0.5	Third Quartile			
50.0	STONE	19	0.5	Fourth Quartile			
51.5	HARRISON	18	0.5	89.0	ATCHISON	7	0.2
51.5	MACON	18	0.5	89.0	DOUGLAS	7	0.2
54.5	BUTLER	17	0.5	89.0	DUNKLIN	7	0.2
54.5	COOPER	17	0.5	89.0	GENTRY	7	0.2
54.5	MONROE	17	0.5	89.0	SCOTLAND	7	0.2
54.5	VERNON	17	0.5	94.0	CEDAR	6	0.2
58.0	CALDWELL	16	0.4	94.0	MONITEAU	6	0.2
58.0	MARIES	16	0.4	94.0	RAY	6	0.2
58.0	MONTGOMERY	16	0.4	94.0	SHANNON	6	0.2
Second Quartile				94.0	WORTH	6	0.2
Third Quartile				98.0	BOLLINGER	5	0.1
61.0	ANDREW	14	0.4	98.0	OZARK	5	0.1
61.0	LAWRENCE	14	0.4	98.0	SULLIVAN	5	0.1
61.0	OSAGE	14	0.4	103.5	HICKORY	4	0.1
63.5	ADAIR	13	0.4	103.5	KNOX	4	0.1
63.5	LINN	13	0.4	103.5	MC DONALD	4	0.1
66.5	LIVINGSTON	12	0.3	103.5	MADISON	4	0.1
66.5	PERRY	12	0.3	103.5	MISSISSIPPI	4	0.1
66.5	SCOTT	12	0.3	103.5	NEW MADRID	4	0.1
66.5	STODDARD	12	0.3	103.5	REYNOLDS	4	0.1
69.5	BARTON	11	0.3	103.5	RIPLEY	4	0.1
69.5	RALLS	11	0.3	109.0	HOWARD	3	0.1
73.5	CHARITON	10	0.3	109.0	MERCER	3	0.1
73.5	DAVISS	10	0.3	109.0	SCHUYLER	3	0.1
73.5	GRUNDY	10	0.3	112.0	DADE	2	0.1
73.5	NODAWAY	10	0.3	112.0	PUTNAM	2	0.1
73.5	OREGON	10	0.3	112.0	ST. LOUIS CITY	2	0.1
73.5	PIKE	10	0.3	114.0	IRON	1	0.0
78.5	CLINTON	9	0.2	115.0	PEMISCOT	0	0.0

TABLE 16

2009 MISSOURI DEER CRASHES

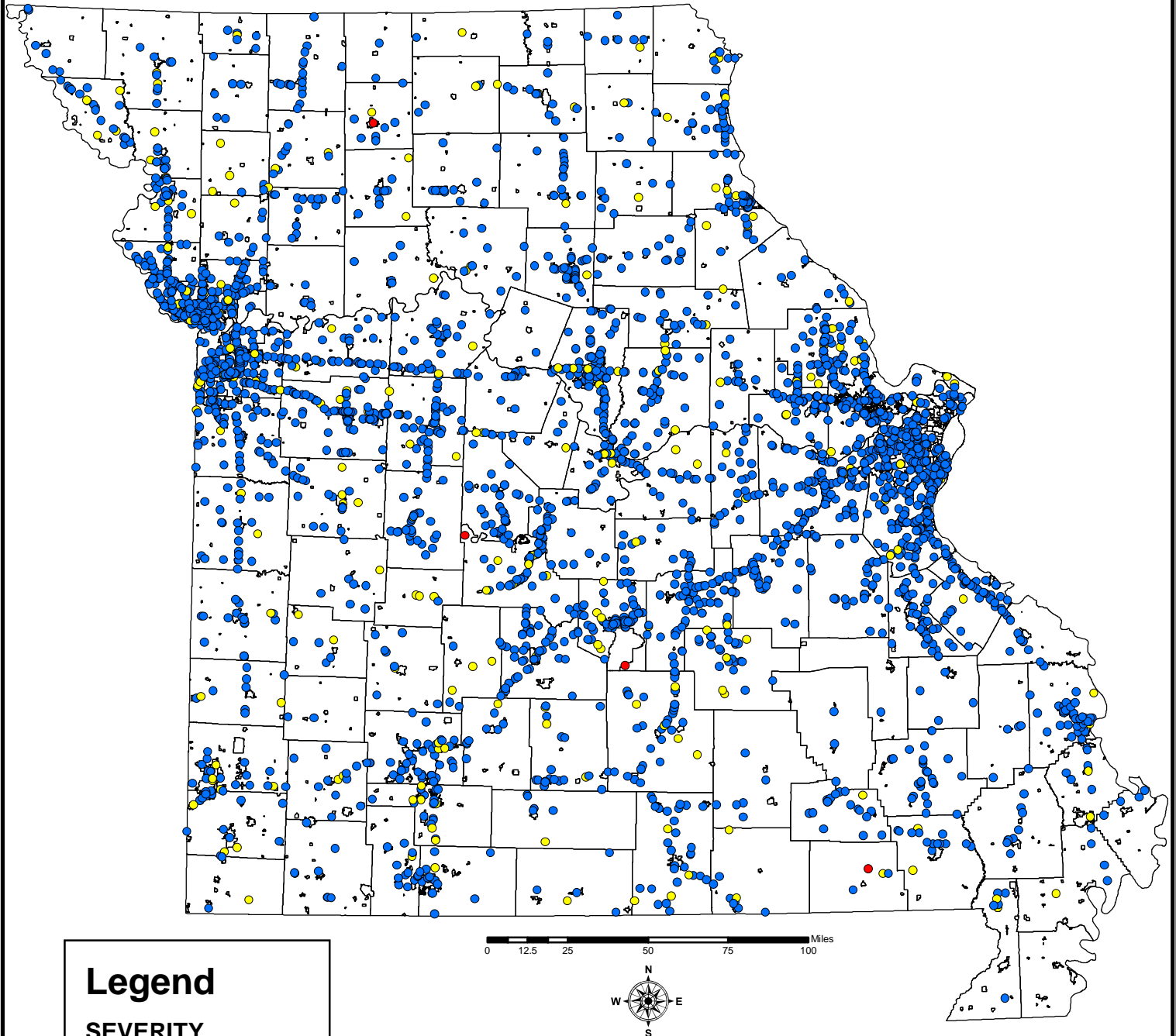
CITY LISTING

RANK	CITY	FREQUENCY	PERCENT ¹
1.0	KANSAS CITY	258	19.7
2.0	WILDWOOD	75	5.7
3.0	LEE'S SUMMIT	45	3.4
4.0	CAPE GIRARDEAU	36	2.7
5.0	PARKVILLE	35	2.7
6.0	COLUMBIA	34	2.6
7.0	INDEPENDENCE	31	2.4
8.0	JEFFERSON CITY	27	2.1
9.0	LIBERTY	23	1.8
10.5	OSAGE BEACH	20	1.5
10.5	ST. JOSEPH	20	1.5
12.0	JOPLIN	19	1.4
13.0	HANNIBAL	18	1.4
16.0	ARNOLD	15	1.1
16.0	JACKSON	15	1.1
16.0	ST. ROBERT	15	1.1
16.0	SPRINGFIELD	15	1.1
16.0	TOWN AND COUNTRY	15	1.1
20.0	SUNSET HILLS	14	1.1
20.0	WARRENSBURG	14	1.1
20.0	WAYNESVILLE	14	1.1
22.5	BLUE SPRINGS	13	1.0
22.5	ROLLA	13	1.0
24.5	LAKE OZARK	12	0.9
24.5	MANCHESTER	12	0.9
28.0	BALLWIN	11	0.8
28.0	FULTON	11	0.8
28.0	MOBERLY	11	0.8
28.0	O'FALLON	11	0.8
28.0	RIVERSIDE	11	0.8
33.0	CHESTERFIELD	10	0.8
33.0	EUREKA	10	0.8
33.0	GRANDVIEW	10	0.8
33.0	PEVELY	10	0.8
33.0	ST. CLAIR	10	0.8
36.5	UNION	9	0.7
36.5	VALLEY PARK	9	0.7
40.5	CREVE COEUR	8	0.6
40.5	ELLISVILLE	8	0.6
40.5	FENTON	8	0.6
40.5	HARRISONVILLE	8	0.6
40.5	WARRENTON	8	0.6
40.5	WENTZVILLE	8	0.6
46.0	MARYLAND HEIGHTS	7	0.5
46.0	OZARK	7	0.5
46.0	PECULIAR	7	0.5
46.0	PLATTE CITY	7	0.5
46.0	ST. CHARLES	7	0.5
52.5	BELTON	6	0.5
52.5	BOONVILLE	6	0.5
52.5	FARMINGTON	6	0.5
52.5	FESTUS	6	0.5
52.5	LAKE ST. LOUIS	6	0.5
52.5	LEBANON	6	0.5
52.5	ST. PETERS	6	0.5
52.5	TROY	6	0.5

¹Percentage is based on deer involved crashes which occurred in Missouri municipalities with populations of 1,000 or more. Only those municipalities comprising 0.5% or more of these crashes are listed.

TABLE 17

2009 Deer Crashes



Legend

SEVERITY

- Fatal Crash
- Personal Injury
- Property Damage